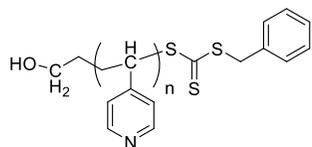


Sample Name:
Hydroxy Terminated Poly(4-Vinyl Pyridine)

Sample #: P44109-4VPOH

Structure:



Composition:

$M_n \times 10^3$	PDI
2.0	1.28
Functionality: 95%	
T_g for the functional polymer	

Synthesis Procedure:

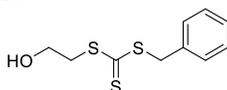
Hydroxy terminated poly(4-vinyl pyridine) was prepared by RAFT process using Following Reagent;

Synthesis Procedure:

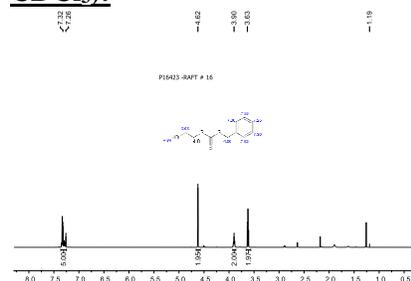
The polymer is prepared by RAFT polymerization of styrene and 4-vinylpyridine. Following RAFT reagent was used.

Benzyl-2-hydroxyethyltrithiocarbonat

Structure:



$^1\text{H-NMR}$ spectrum of RAFT (400 MHz, CDCl_3):



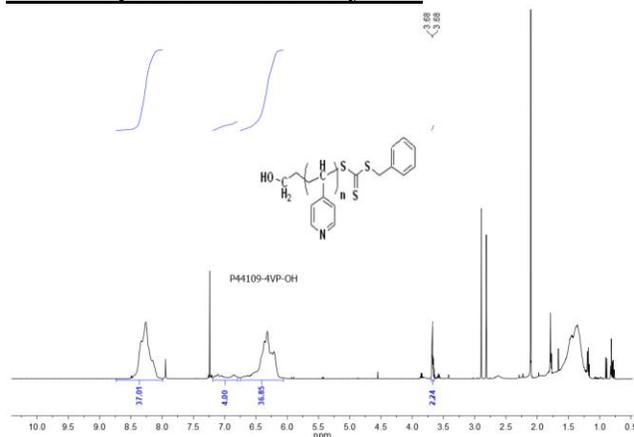
Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

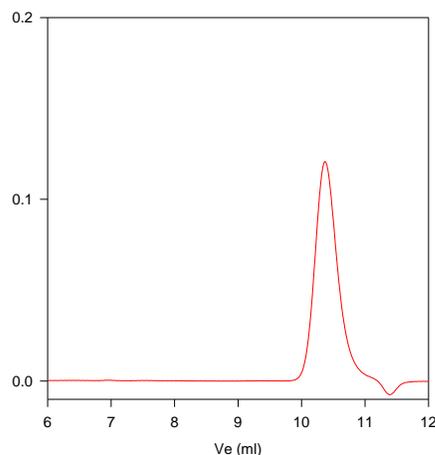
Polymer is soluble in CHCl_3 and THF, methanol.

$^1\text{H-NMR}$ spectrum of the Polymer:



SEC profile of the Sample:

P44109-4VPOH



Size Exclusion Chromatography of Poly(4-vinylpyridine)

$M_n=2000$, $M_w=2500$, $PI=1.28$